

Vet Rec. 1990 Aug 18;127(7):168-9.

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Detection of antibody to *Salmonella enteritidis* by a gm flagellin-based ELISA.

Timoney JF, Sikora N, Shivaprasad HL, Opitz M.

Department of Veterinary Microbiology, Immunology and Parasitology, New York State College of Veterinary Medicine, Cornell University, Ithaca 14853.

PMID: 2219649 [PubMed - indexed for MEDLINE]



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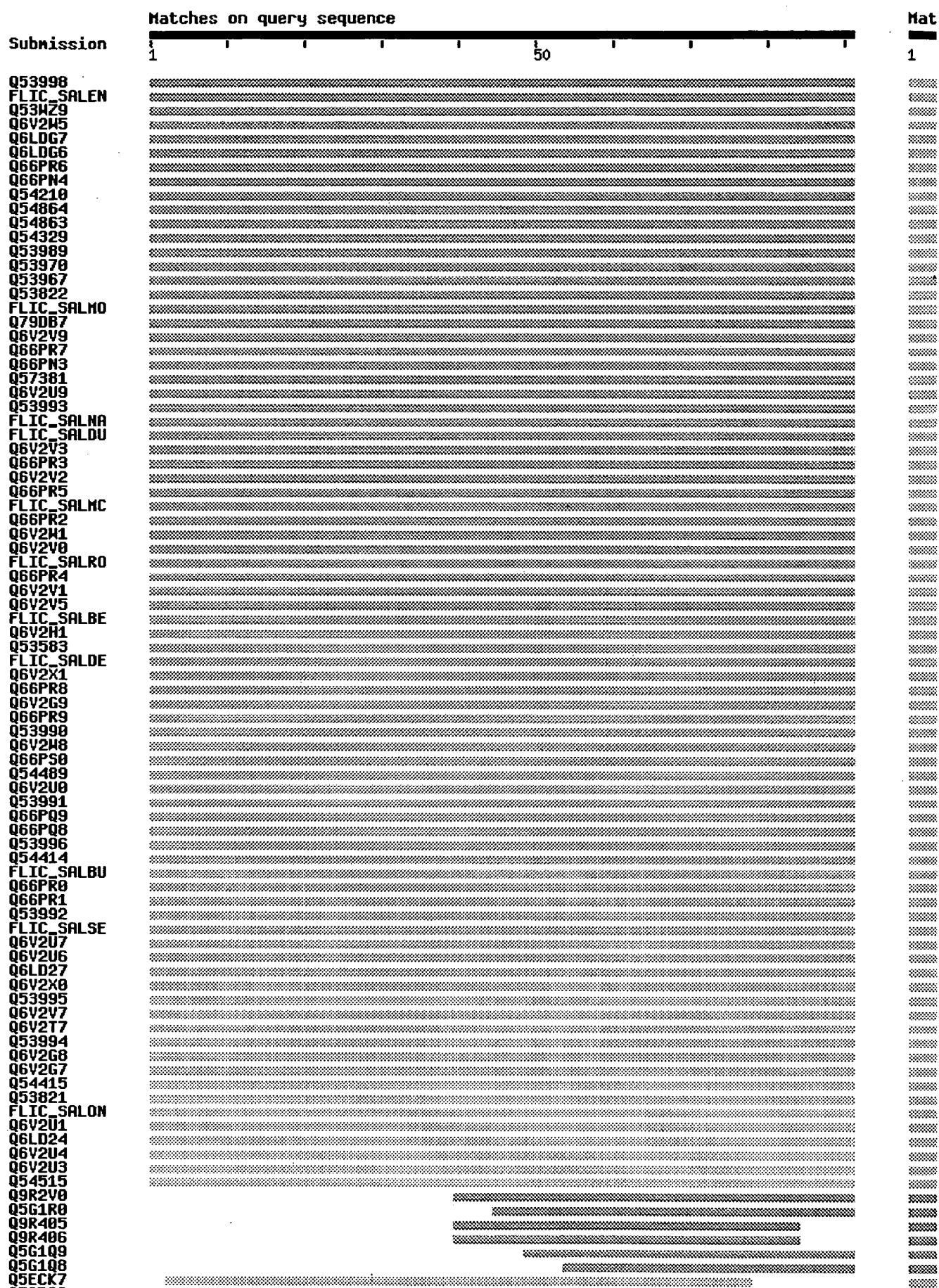
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Alignments

tr Q53998 **Phase-1 flagellin (Fragment) [flic] [Salmonella** 493
Q53998_SALEN **enteritidis]** AA
align

Score = 181 bits (460), Expect = 2e-45
 Identities = 91/91 (100%), Positives = 91/91 (100%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 245 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 304

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 305 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 335

sp Q06972 **Flagellin (Phase-1-C flagellin) [flic] [Salmonella** 504
FLIC_SALEN **enteritidis]** AA
align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 256 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 315

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q53WZ9 **Phase 1 flagellin [flic] [Salmonella** 505 AA
Q53WZ9_SALEN **enteritidis]** align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q6V2W5 **Phase 1 flagellin [flic] [Salmonella** 505 AA
Q6V2W5_9ENTR **enterica]** align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q6LDG7 Phase-1 flagellin [flic1] [Salmonella gallinarum] 505 AA align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q6LDG6 Phase-1 flagellin [flic1] [Salmonella enterica subsp. enterica serovar Gallinarum/pullorum] 505 AA align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PR6 Phase 1 flagellin [flic] [Salmonella enterica subsp. enterica serovar Enteritidis] 505 AA align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60

TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PN4 Phase 1 flagellin [flic] [Salmonella enterica subsp. 505
Q66PN4_SALET enterica AA
serovar Emek align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q54210 Phase-1 flagellin [flic1] [Salmonella 494 AA
Q54210_SALGL gallinarum] align

Score = 179 bits (454), Expect = 1e-44
 Identities = 90/91 (98%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q54864 Phase-1 flagellin [flic] [Salmonella 505 AA
Q54864_SALPU pullorum] align

Score = 177 bits (450), Expect = 3e-44
 Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG
 Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNG+FTFDDKTK
 Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGKFTFDDKTK 347

tr Q54863 Phase-1 flagellin [flic] [Salmonella
Q54863_SALPU pullorum] 505 AA
align

Score = 177 bits (450), Expect = 3e-44
Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNG+FTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGKFTFDDKTK 347

tr Q54329 Phase-1 flagellin (Fragment) [flic] [Salmonella enterica 504
Q54329_SALET subsp. AA
enterica serovar Enteritidis var. jena] align

Score = 177 bits (449), Expect = 4e-44
Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 256 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 315

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q53989 Phase-1 flagellin (Fragment) [flic] [Salmonella enterica 504
Q53989_SALET subsp. AA
enterica serovar Essen] align

Score = 177 bits (449), Expect = 4e-44
Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 256 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 315

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q53970 Phase-1 flagellin [flic1] [Salmonella 505 AA
Q53970_SALDU dublin] align

Score = 177 bits (449), Expect = 4e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
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 Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

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 A DVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 317 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q53967 Phase-1 flagellin (Fragment) [flic] [Salmonella enterica 465
Q53967_SALET subsp. AA
 enterica serovar Enteritidis var. danysz] align

Score = 177 bits (449), Expect = 4e-44
 Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
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 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q53822 Phase-1 flagellin (Fragment) [flic] [Salmonella enterica 504
Q53822_SALET subsp. AA
 enterica serovar Enteritidis var. chaco] align

Score = 177 bits (449), Expect = 4e-44
 Identities = 89/91 (97%), Positives = 90/91 (98%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
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 Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

sp Q06973 Flagellin (Phase-1-C flagellin) [flic] [Salmonella 504
FLIC_SALMO montevideo] AA
 align

Score = 177 bits (448), Expect = 6e-44
 Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
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ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 316 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q79DB7 Phase 1 flagellin [flic] [Salmonella enterica subsp. 505
Q79DB7_SALET enterica AA
serovar Othmarschen] align

Score = 177 bits (448), Expect = 6e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

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Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347.

tr Q6V2V9 Phase 1 flagellin [flic] [Salmonella 505 AA
Q6V2V9_9ENTR enterica] align

Score = 177 bits (448), Expect = 6e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60

T EAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

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Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PR7 Phase 1 flagellin [flic] [Salmonella 505 AA
Q66PR7_SALMO montevideo] align

Score = 177 bits (448), Expect = 6e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 60

T EAKAI GAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TDEAKAIAGAIKGGKEGDTFDYKGVTFTIDTKTGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PN3 Phase 1 flagellin [flic] [Salmonella enterica subsp. 505

Q66PN3_SALET enterica
serovar Enteritidis] AA
align

Score = 177 bits (448), Expect = 6e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TDEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q57381 Phase-1 flagellin [flic1] [Salmonella
Q57381_SALEN enteritidis] 505 AA
align

Score = 177 bits (448), Expect = 6e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q6V2U9 Phase 1 flagellin [flic] [Salmonella
Q6V2U9_9ENTR enterica] 505 AA
align

Score = 176 bits (447), Expect = 8e-44
Identities = 89/91 (97%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q53993 Phase 1 flagellin [flic] [Salmonella
Q53993_9ENTR enterica] 508 AA
align

Score = 176 bits (446), Expect = 1e-43
Identities = 88/91 (96%), Positives = 89/91 (97%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGGKEGDTFDYKGVTFTIDTGTGDDGNGKVSTTINGEKVTLTVADIATG

Subject: 260 TAEAKAIAGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 319
 Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Subject: 320 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 350

sp Q52959 Phase-1 flagellin [flic] [Salmonella
FLIC_SALNA naestved] 504 AA
align

Score = 175 bits (443), Expect = 2e-43
 Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 6
 Subject: 256 TAEAKAIAGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 315

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 A DVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Subject: 316 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

sp Q06971 Flagellin (Phase-1-C flagellin) [flic] [Salmonella dublin] 504 AA
FLIC_SALDU 504 AA
align

Score = 175 bits (443), Expect = 2e-43
 Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 6
 Subject: 256 TAEAKAIAGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 315

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 A DVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Subject: 316 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 346

tr Q6V2V3 Phase 1 flagellin [flic] [Salmonella
Q6V2V3_9ENTR enterica] 505 AA
align

Score = 175 bits (443), Expect = 2e-43
 Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 60
 TAEAKAI GAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 6
 Subject: 257 TAEAKAIAGAIKGGKEGDTFDYKGVFTIDTKTGGDGNGKVSTTINGEKVTLTVADIATG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91
 A DVNAATLQSSKNVYTSVVNGQFTFDDKTK
 Subject: 317 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PR3 Phase 1 flagellin [flic] [Salmonella 505 AA
Q66PR3 SALDU dublin] align

Score = 175 bits (443), Expect = 2e-43
Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKVFTIDTKGDDGNGKVSTTINGEKVTLTVADIATG 60
TAEAKAI GAIKGKKGEGDTFDYKVFTIDTKGDDGNGKVSTTINGEKVTLTVADIATG 60

sbjct: 257 TAEAKAIAGAIKGKGEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIAIG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

A DVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

Score = 175 bits (443), Expect = 2e-43
Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGKGKEGDTFDYKGVFTIDTKTGDDNGKVSTTINGEKVTLTVADIATG 60

TAEKAI GAIKGKKGDTFDYKGVTFTIDTKGGGGNGKVSTTINGEKVTLTVADIA 6

Sbjct: 257 TAEAKAIAGAIAKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIAIG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

A DVNAATLQSSKNVYTSVVNGQFTFDDKTK

Sbjct: 317 AADVNAATLQSSKNVYTSVVNGQFTFDDKTK 347

tr Q66PR5 Phase 1 flagellin [flic] [Salmonella 505 AA
Q66PR5 SALNA naestved] align

Score = 175 bits (443), Expect = 2e-43
Identities = 88/91 (96%), Positives = 88/91 (96%)

Query: 1 TAEAKAIRGAIKGGKEGDTFDYKGVTFTIDTKTGDDGNGKVSTTINGEKVTLTVADIATG 600

TAAKAI GAIKGKGEGDTFLYKVTFITDKTGDDGNGKVSTTINGEKVTLTVADIA G

Subjct: 257 TAEAKAIAGAIKGKGEGDTFDYKGVFTFTIDTGTGDDGNKGVSTTINGEKVTLTVADIAIG 316

Query: 61 ATDVNAATLQSSKNVYTSVVNGQFTFDDKTK 91

A'DVNAATLQS SKN VY TS VVNG QFT FDD KTK

Sbjct: 317 AADVNAATLQSSKNVYTSVVNGQFTFDDTK 347

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DATE: Thursday, July 07, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND</i>			
<input type="checkbox"/>	L1	(flic or fli-c or ((phase near2 1) or (phase-1-c or phaselc or phasel-c)) near5 flagell\$2)	15316
<input type="checkbox"/>	L2	L1 and enteritidis	10
<input type="checkbox"/>	L3	flic.clm.	8
<input type="checkbox"/>	L4	L3 not l2	7
<input type="checkbox"/>	L5	(enteritidis or enteriditis).clm.	135
<input type="checkbox"/>	L6	pili or pillin or pilin or fimbria or fimbriae or fimbrial or fimbriall or fimbrin	23100
<input type="checkbox"/>	L7	fimc or sef14 or sef-14 ro sef21 or sef-21 or sef17 or sef-17	250
<input type="checkbox"/>	L8	L7 or l6	23241
<input type="checkbox"/>	L9	(sef14 or sef-14 ro sef21 or sef-21 or sef17 or sef-17).clm.	1
<input type="checkbox"/>	L10	(fla or flagella or flagellin).clm.	119
<input type="checkbox"/>	L11	11.clm.	8
<input type="checkbox"/>	L12	L11 not l3	0
<input type="checkbox"/>	L13	L15 and l10 not l9	0

END OF SEARCH HISTORY

WEST Search History

DATE: Thursday, July 07, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND</i>			
<input type="checkbox"/>	L1	(flic or fli-c or ((phase near2 1) or (phase-1-c or phase1c or phase1-c)) near5 flagell\$2)	15316
<input type="checkbox"/>	L2	L1 and enteritidis	10
<input type="checkbox"/>	L3	flic.clm.	8
<input type="checkbox"/>	L4	L3 not l2	7
<input type="checkbox"/>	L5	(enteritidis or enteriditis).clm.	135
<input type="checkbox"/>	L6	pili or pillin or pilin or fimbria or fimbriae or fimbrial or fimbriall or fimbrin	23100
<input type="checkbox"/>	L7	fimc or sef14 or sef-14 to sef21 or sef-21 or sef17 or sef-17	250
<input type="checkbox"/>	L8	L7 or l6	23241
<input type="checkbox"/>	L9	(sef14 or sef-14 to sef21 or sef-21 or sef17 or sef-17).clm.	1
<input type="checkbox"/>	L10	(fla or flagella or flagellin).clm.	119
<input type="checkbox"/>	L11	11.clm.	8
<input type="checkbox"/>	L12	L11 not l3	0
<input type="checkbox"/>	L13	L15 and l10 not l9	0

END OF SEARCH HISTORY